BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Project Division,

Schedule - B

Name OF Work:Improvements to Building and Civil Work at Mallasandra Colony in Mallasandra Ward No.13, Shettyhalli Sub Division

Sl.No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Dismalting Cement concrete Flooring or plain cement concrete work including removing and conveying the debris to distance up to 200m (within axerage thickness of 15 cms) Pg-25 Item No-5.34	Cum	28.38	59.40	Rupees Fifty Nine And Paise Forty Only
2	Providing and laying in position plain cement concrete of mix 1;3;6 with opc cement @220kgs with 20 mm and down size graded granite metal course aggregate @0.84cum and fine aggregates @0.56 cum machine mixed,laid in layers not exceeding 15cms thick well compacted in foundation,plinth and cills including cost of all materials,labour,HOM OF machinary, curing complete as per specification (Pg No-12	Cum	23.76	5449.68	Rupees Five Thousand Four Hundred Forty Nine And Paise Sixty Eight Only
3	Providing and Laying in position reinforced cement concrete of design mix M20 with OPC cement @ 300Kgs with 20mm and down size graded granite metal course aggregate @ 0.64cum and fine aggregate @ 0.43cum, with superplastisiser @ 3ltr confirming to IS 9103-1999 Reaffirming 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground level for roof slab, stairecase, lintels, retaining wall , return wall, wall (any thickness) including attahed plasters, column , piers, abutmentspillers, posts, struts, buttresses, string or laceing courses, parapets, coping, bed blocks, anchor hooks plain window cill, fillets, etc.., including cost of all materials, Labours, HOM of Machineries, curing complete as per specification (Page No 12 Item No : 4.5 P.W.D SR 2016-17)	Cum	30.33	5985.36	Rupees Five Thousand Nine Hundred Eighty Five And Paise Thirty Six Only

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Sl.No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures (Rs.)	In Words (Rs.)
4	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm	Sqm	151.20	2828.52	Rupees Two Thousand Eight Hundred Twenty Eight And Paise Fifty Two Only
5	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from morter drops and other foreign matter including preparing surface even and sand paper smooth, cost of naterial labour complete as per specification (page No-117,Item No-15.49-1 PWD SR 2016-17)	Sqm	812.37	76.68	Rupees Seventy Six And Paise Sixty Eight Only
6	Providing and applying two coats of wall putty to inside plaster walls and ceiling using white cement putty. Scapping and leveling the surface using steel blade and preparing the surface even and smooth by using different grade, sand papers including cost of materials, cost of labour, scaffoldings etc., complete as per specifications(page N0. 125- Item No.15.106)	Sqm	81.24	60.48	Rupees Sixty And Paise Forty Eight Only
7	Provding and finishing Externel walls in two coats over one coat of 100% acrylic silicon glaze primer with anti fungal paint for coat of approved brand and shade to give an even shade after thoroughly brooming the surface toremove all dirt and loose powdered materials,complete as per specification (Page No-125, Item No-15.104)	Sqm	382.40	76.68	Rupees Seventy Six And Paise Sixty Eight Only

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Sl.No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures (Rs.)	In Words (Rs.)
8	Providing and fixing M.S Grill work for windows and ventilators weighing 21kg/sqm using M.S flats or M,S square rods,or combinations of M.S Flats and square rods,as per approved design.Drawing including cutting steel sections and welding the same to required pattern with a coat of Red lead primer,including cost of materials laboyr and H O M of machineries complete as per specifications (Page No-32 Item No-7.9)	Kgs	1245.72	84.24	Rupees Eighty Four And Paise Twenty Four Only
9	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement morter 1;4 masonry (quoin,jamb,closer blocks) with solid block of size 400x150x200cms conforming to I.S;2185/1965 in super structure including cost of materials, labour charges, scaffolding, curing complete as per specification (Page No-25 Item No-5.34)	Sqm	61.20	979.56	Rupees Nine Hundred Seventy Nine And Paise Fifty Six Only
10	Providing 20mm thick cement plaster in single coat with cement morter 1;6 to stone masonry & concrete surface including rounding off corners wherever required smooth rendering. Providing and removing scaffolding including cost of materials, labour, curing completew as per specifications.	Sqm	56.28	224.64	Rupees Two Hundred Twenty Four And Paise Sixty Four Only
11	Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to stone masonry & concrete surface including rounding off corners whereever required smooth rendering providing and removing scaffoldings including cost of materials,labour,curing complete as per	Sqm	56.28	162.00	Rupees One Hundred Sixty Two Only

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Sl.No	Description of work	Unit	Qty	Sanctioned ~~Approved~~ Rates	
				In Figures (Rs.)	In Words (Rs.)
12	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully open able as per approved drawings using Z angles of 25x33x3mm, weighing 1.419kg/m both for outer and inner framesand central mullion section of size 25x46x3mm weighing 2.28kg/m duly providing T section 19x19x3mm weighing 0.839kg/m for glazing of windows not more than 34cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size, all steel section should confirm to I.S. 7452:1990, 4Nos, of holdfasts of approved size section should be cut to length welded and electrically grinded subdividing frames of unit shall be tononned and revetted into the frames electrically. all the steel surface shall be throughly cleaned free of rust and painted with one coat of anticorrosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials,fixtures, labour and HOM of machinery complete as per specifications.(KBS 7.12.1/7.12.2/7.12.3/7.12 Page No.32/Item No. 7.7/PWD Sr 2016-17)	Sqm	6.48	3812.40	Rupees Three Thousand Eight Hundred Twelve And Paise Forty Only
13	Providing and applying red lead ready mix primary coat over new steel or other metal surface including preparing the surface after throughly cleaning oil,grease,dirt and other foreign matter, and scoured with wire brushes,fine steel wool, sand papers including cost of materials,labour,complete as per specification(Pg.No. 121, T.No.15.73)	Sqm	133.56	31.32	Rupees Thirty One And Paise Thirty Two Only
14	Providing and applying enamel metal paint in two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil,grease,dirt and other foreign matter,including cost of materials, labour,complete as per specifications(Pg.No.120,I.No.15.74)	Sqm	133.56	88.56	Rupees Eighty Eight And Paise Fifty Six Only

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Sl.No	Description of work	Unit	Qty	Sanctioned ~~Approved~~ Rates	
				In Figures (Rs.)	In Words (Rs.)
15	Providing Honne Wood frames of Doors,windows,clere story windows,ventilators and other frames,wrought,framed or assembled including making laster groves(excluding cost of cement concrete and side clamps), but including cosst of materials, labour,HOM of machineries complete as per specifications(Pg.No. 51/I.No9.11)	Cum	3.12	111083.40	Rupees One Lakh(s) Eleven Thousand Eighty Three And Paise Forty Only
16	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and pannels of 25mm thick including cost of materials,labour,HOM of machineries of complete as per specification.(Excluding cost of fixtures)(Pg.No.46/I.No.9.21)	Sqm	6.62	4472.28	Rupees Four Thousand Four Hundred Seventy Two And Paise Twenty Eight Only
17	Providing and fixing in position Honne wood fully panelled shutters for windows with styles and rails of 35mm thick,75mm wide in two halves with panels of 25mm thick including cost of materials,labour charges,HOM of machineries complete as per specification(P.No54/I.No9.44)	Sqm	17.28	5279.04	Rupees Five Thousand Two Hundred Seventy Nine And Paise Four Only
18	Hinges 5" Heavy duty (Page No-XIV SL.No-395	Nos	6.00	37.00	Rupees Thirty Seven Only
19	Handles powder coated 150 mm (Page No-XIV ,SLNo-393)	Nos	6.00	60.00	Rupees Sixty Only
20	Tower bolt 300mm long (Page No-XIV ,SLNo-412)	Nos	6.00	120.00	Rupees One Hundred Twenty Only
21	Door Lock (Page No-XIV ,SLNo-391)	Nos	2.00	410.00	Rupees Four Hundred Ten Only
22	Construction of Embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site,spreading,grading to required slope and compacting to meet requirment Table 300-2 complete as per specifications(Which includes cost of gravel/murrum,watering charges & Compaction by vibratory roller)Pg.No 148/I.No.19.60 PWD Sr 2016-17	Cum	209.56	326.16	Rupees Three Hundred Twenty Six And Paise Sixteen Only

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Sl.No	Description of work	Unit	Qty	Sanctioned ~~Approved~~ Rates	
				In Figures (Rs.)	In Words (Rs.)
23	Proiding laying, spreading , and compacting stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compactinng with vibratory roller to achieve the desired density. Complete as per specifications. MORTH specification No.406(P.No.158-I.No.20.18)	Cum	97.24	1801.44	Rupees One Thousand Eight Hundred One And Paise Forty Four Only
24	Construction of dry lean cement concrete cement mix CC 1:5:10 with OPC cement @ 160kgs, with 25mm and down size graded gmite metal course aggregate at 0.86cum and fine aggregates @ 0.58 cum sub-base over a prepared sub-grade with (course and fine aggregate conforming to IS:383) Aggregate cement ratio not exceed 15:1 aggregate gradiation after blending to be as per table 600-1 cement content not to be less than 160kg/cum optimum moisture content to be determined during trail length construction,concrete strength not to less than 10Mpa at 7days,mixed in a batching plant, ttransported to site, laid with a paver with electronics sensor, compacting with 8-10 tonnes vibratory roller,finishing and curing complete as per specificationn (I.No.22.1 & Pg.No.176)	Cum	72.91	4061.88	Rupees Four Thousand Sixty One And Paise Eighty Eight Only

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Sl.No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures (Rs.)	In Words (Rs.)
25	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) ((P.No.177, I.No.22.6.1 of PW,P&IWTD SR 2016-17)	Cum	72.91	6335.28	Rupees Six Thousand Three Hundred Thirty Five And Paise Twenty Eight Only
26	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift PWD SR 2016-17[P.No.177 -I.No.22.7]	Sqm	486.22	97.20	Rupees Ninety Seven And Paise Twenty Only
27	HDPE 110mm outter dia 2.2kg/sqcm (Pg.NoXVII/I.No.516)	mtr	28.00	185.00	Rupees One Hundred Eighty Five Only
28	KSRB : 14,10-3 : Providing flooring with 20mm thick polished kadapa slabs using cement mortar 1:6 25mm thick over existing cement concrtete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab including cost of materials, labour,curing,polishing complete as per specification (Pg.No. 103/I.No.14.17)	Sqm	6.98	1193.40	Rupees One Thousand One Hundred Ninety Three And Paise Forty Only

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				In Figures (Rs.)	In Words (Rs.)
29	KSRB 15-13 : Providing and applying one coat distemper primer of approved brand on wall surface throughly brooming the surface to remove all dirt, dust mortar drops and other foreign particals including preparing the surface even and sand paper smooth cost of materials , labour complete as per specification(Pg. No. 116/I.No.15.46.1)	Sqm	1200.77	27.00	Rupees Twenty Seven Only
30	Earth work excavation for foundation of building, culverts, water supply sanitary lines, and electrical conduits either pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m in depth including dressing bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specifications.Pg.No.5/I.No.2.4	Cum	4.84	305.64	Rupees Three Hundred Five And Paise Sixty Four Only
31	Providing and fixing Pre cast solid concrete kerb stones made out of CC1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.Page No.25/ Item No. 5.29 and 5.29.1/ PWD SR 2016-17	Nos	119.73	393.12	Rupees Three Hundred Ninety Three And Paise Twelve Only
32	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17	Cum	2.42	5256.36	Rupees Five Thousand Two Hundred Fifty Six And Paise Thirty Six Only
33	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No. 181/ Item No. 24.1/ PWD SR 2016-17	Sqm	16.16	63.60	Rupees Sixty Three And Paise Sixty Only

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Sl.No	Description of work	Unit	Qty	Sanctioned ~~Approved~~ Rates	
				In Figures (Rs.)	In Words (Rs.)
34	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all amterials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(P.No.178, I.No.22.8.1 of PW, P&IWTD SR 2016-17)	Mtr	88.49	124.20	Rupees One Hundred Twenty Four And Paise Twenty Only

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